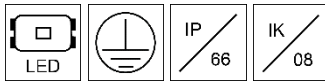


# BARAT LED Ex

## Explosion-Proof Luminaires



### Description:

Surface mounted explosion-proof LED luminaire  
 Light distribution type: direct  
 Optical system: opal polycarbonate diffuser, impact resistant  
 Housing: polycarbonate, stainless steel clips  
 Colour: light grey  
 Marking of explosion-protection: II 3G Ex nA IIC T6 Gc; II 3D Ex tD IIIC T85 C IP66 Dc  
 Explosion group: Gas: IIC, IIB, IIA Dust: IIIC, IIIB, IIIA  
 Hazardous zones: 2, 22

### General data:

Mains voltage: 220-240V, 0/50-60Hz  
 LED lifetime, h: 75000/L80B50  
 SDCM: 3  
 Protection class IEC: I  
 Ingress protection code: IP66  
 Mechanical impact resistance: IK08  
 Operating temperature range, °C: ta -25...+40

### Installation:

On the ceiling or wall (mounting brackets included), or suspended (hooks included). Push-in terminal, 3x2x2.5mm<sup>2</sup>. Cable diameter: Ø7-13mm

### Environment:

Indoor

### Application:

Industry. Designed for illumination of hazardous areas where an explosive atmosphere persists for a short period

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI * (Ra)	CCT*, K	Weight, kg
Barat LED1x1300 C101 T840 PC/PC OP IC Ex	662	96	111	1389	11,6	120	80+	4000	1,3
Barat LED1x1900 C102 T840 PC/PC OP IC Ex	662	96	111	1884	17,2	110	80+	4000	1,3
Barat LED2x1300 C104 T840 PC/PC OP IC Ex	662	146	111	2779	23,2	120	80+	4000	1,8
Barat LED2x1900 C105 T840 PC/PC OP IC Ex	662	146	111	3768	32,4	116	80+	4000	1,8
Barat LED1x2600 C107 T840 PC/PC OP IC Ex	1272	96	111	2779	23,2	120	80+	4000	2,1
Barat LED1x3800 C108 T840 PC/PC OP IC Ex	1272	96	111	3768	32,4	116	80+	4000	2,1
Barat LED2x2600 C110 T840 PC/PC OP IC Ex	1272	146	111	5558	43,8	127	80+	4000	2,8
Barat LED2x3800 C111 T840 PC/PC OP IC Ex	1272	146	111	7537	64,8	116	80+	4000	2,8
Barat LED1x3200 C113 T840 PC/PC OP IC Ex	1572	96	111	3473	27,3	127	80+	4000	2,6
Barat LED1x4700 C114 T840 PC/PC OP IC Ex	1572	96	111	4711	40,5	116	80+	4000	2,6
Barat LED2x3200 C116 T840 PC/PC OP IC Ex	1572	146	111	6947	54,7	127	80+	4000	3,3
Barat LED2x4700 C117 T840 PC/PC OP IC Ex	1572	146	111	9421	81	116	80+	4000	3,3

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. NORTHCLIFFE LIGHTING is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

\*Photos are for illustrational purposes only. The exact appearance of the product may vary depending on the monitor settings, options selected and other factors.

### Available options:

T830 Colour temperature 3000K, CRI 80+  
 T840 Colour temperature 4000K, CRI 80+  
 EM3B Emergency version 3 hours (best available technology)  
 \*note - EM options not applicable for models: C101, C102, C104, C105  
 \*note - Operating temperature range for Luminaires with EM option, C: ta 0...+35

5TB

1LIN2.5

3LIN2.5

5-pole terminal block in middle of luminaire for easy through wiring  
 Through wiring 3x2.5 mm<sup>2</sup> with two push-in terminal blocks  
 Through wiring 5x2.5 mm<sup>2</sup> with two push-in terminal blocks

